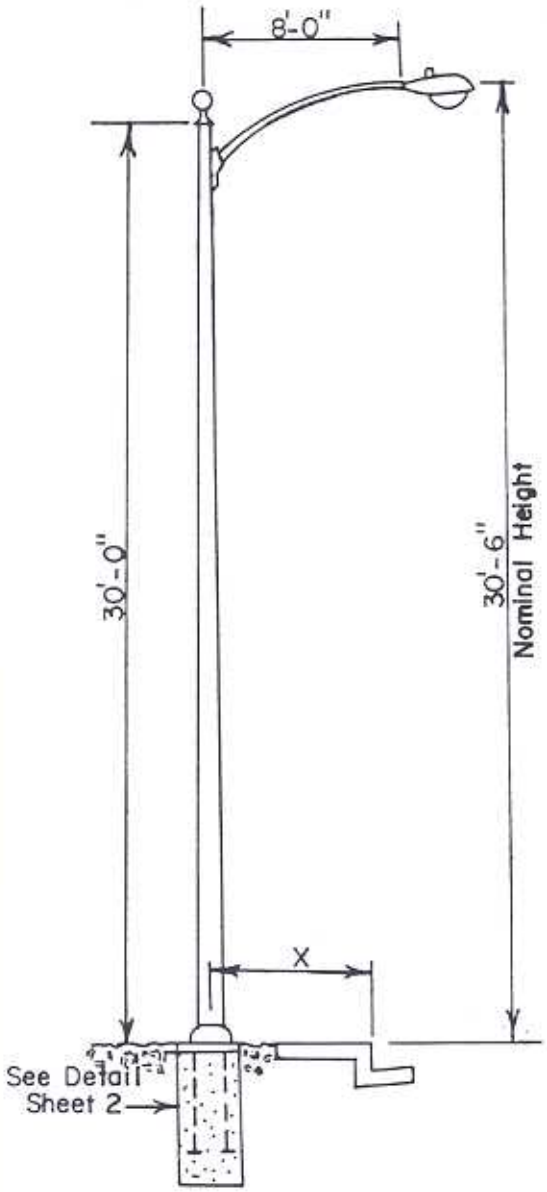


GENERAL NOTES:

1. Steel poles shall comply with requirements of "EEI-NEMA standards for Steel Lighting Poles" EEI Publ. TDJ-135.
2. Poles and brackets shall be galvanized steel.
3. Poles shall be furnished with handhole and cover.
4. Mast arm shall accommodate 2" slipfitter luminarie.
5. Poles shall have 1/2" N.C. nut welded inside pole opposite handhole for grounding terminal.
6. Pole shall be furnished with base cap, pole cap, arm and 4 anchor bolts and 8 nuts and washers.
7. Conduits for underground circuits shall be rigid PVC, Electrical Plastic Conduit (EPC), schedule 40, 1 1/2" min. or approved equal with a minimum cover of 18".
8. Junction boxes shall be State No. 3 1/2 with bolt down cover marked "STREET LIGHTING". Box's bottoms shall be grouted, including 1/2" weep holes.
9. A J.B. is required at each electrolier; when more than one bend is needed to reach electrolier, at any PG & E service point and where shown on improvement plans.
10. Street light conductors shall be copper, min. no. 8AWG, type THHN, or as shown on plans.
11. The location, size and type of luminaries shall be as shown on approved plans or as directed by the City Engineer.
12. The service point and voltage shall be as shown on plans or as designated by PG & E.
13. All 70 & 100 Watt electrolier services shall be 120 volts unless otherwise approved by the City Engineer.
14. All electroliers are to be installed complete in place, service connected and operable.
15. Pole shall be erected and plumbed prior to pouring concrete base cap.
16. Top of concrete cap to be flush with walk, except concrete cap shall be 3" above adjacent ground in unpaved areas.
17. Rigid conduit bends to be installed in concrete base of electroliers.
18. Rigid metal conduit run with a minimum cover of 24" required in pavement.

X= 7.5 with 4ft. contiguous sidewalk

X= 2.0 with separated walk and in commercial and in industrial areas

POLE SCHEDULE

Manufacturer	Type	Gauge	Cat. No.	Nominal Shaft Size	Approx. Mtg. Ht.	Bracket Length
PUMCO	Round	11	FBI130-BI-8G	8"x3.8"x30'-0"	30'-6"	8'
AMERON	"	10	A308-2	"	"	"
VALMONT	"	11	DS-30-80 A300-8	"	"	"

REV	DATE	APPROVED	DESIGN
			DRAWN
			CHECKED
			APPROVED BY
			CITY ENGINEER
			DATE 12/6/91

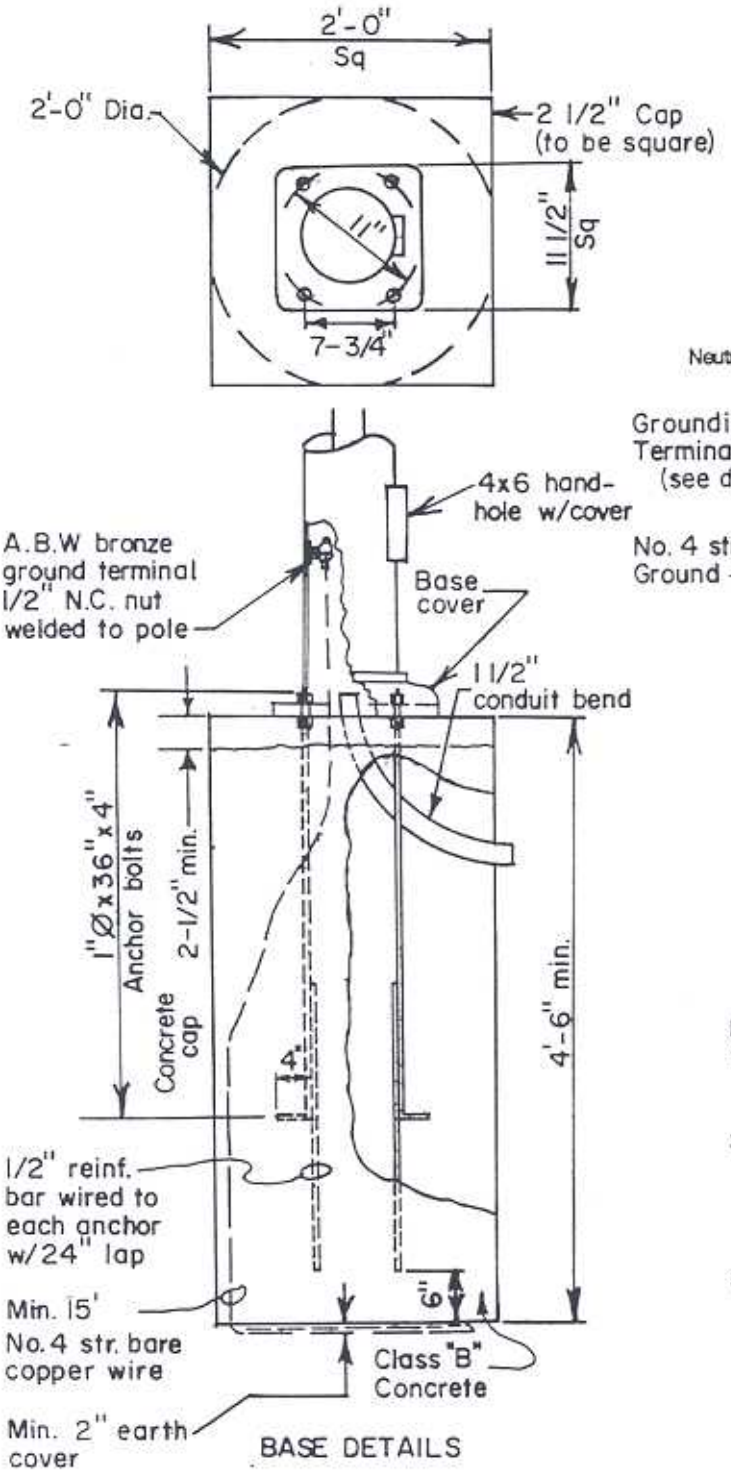
CITY OF MILPITAS

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
STANDARD DRAWING

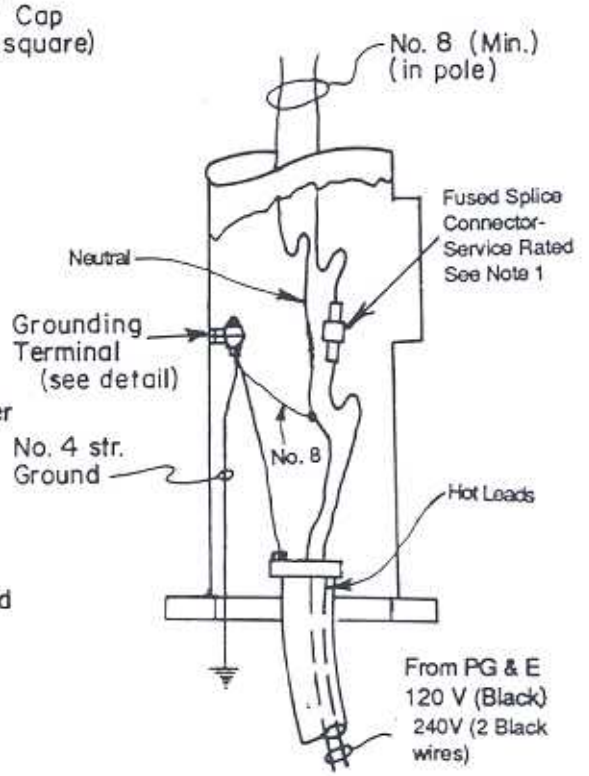
STREET LIGHTING STANDARD

NO. 442

ADOPTED
DATE 3-4-79
C# 3251
SHEET 1 OF 4

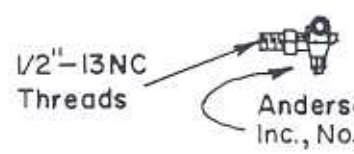


BASE DETAILS



NOTES:

1. Fuse all hot leads in pole. Use single fuse holder with 10 amp for 120V & double with 10 amp fuses of 240V.
2. A no. 8 bare bond wire is to be connected from the grounding bushing of one conduit end to the grounding bushing of the other conduit end in each pull box if metal rigid conduit is used.
3. A no. 8 neutral bonding wire shall be connected to the grounding terminal.



Ground Terminal Detail

REV	DATE	APPROVED	DESIGN
			DRAWN
			CHECKED
			APPROVED BY
			CITY ENGINEER
			DATE 10/8/91

CITY OF MILPITAS

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
STANDARD DRAWING

STREET LIGHTING STANDARD

NO. 442

ADOPTED
DATE 9-4-79
C# 3251
SHEET 2 OF 4

HIGH PRESSURE SODIUM VAPOR LUMINAIRES

LAMP (Watts)	VOLTS	BALLAST TYPE	HEAD CONFIGURATION	
			DOUBLE DOOR	SINGLE DOOR
			DOOR MOUNTED BALLAST	SWING DOWN BALLAST
70	120/240	AUTO-LAG	"	"
100	120/240	AUTO-LAG	"	"
150 (55V)	120/240	AUTO-LAG	"	"
200	120/240	AUTO-REGULATED	"	"
250	QUAD	AUTO-REGULATED	"	"
400	QUAD	AUTO-REGULATED	"	"

1. All luminaires to have twist lock receptacle for photo electric cell.
2. All luminaires installed in a signalized intersection must be cut off type.
3. 120/240 ballast capable.
4. Submit manufacturer's specification to City for approval prior to ordering.

PHOTOELECTRIC CONTROLS

MANUFACTURER	CATALOGUE NO.	VOLTAGE	MAX. LOAD
GENERAL ELECTRIC	C402G660	105-285	1800 Volt Amps
FISHER-PIERCE	6690 C SS7	105-285	1800 Volt Amps

REV	DATE	APPROVED
1	3/90	

DESIGN
DRAWN P. UPPAL
CHECKED
APPROVED BY
CITY ENGINEER
DATE 10/8/91

CITY OF MILPITAS

PUBLIC WORKS DEPARTMENT
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STANDARD DRAWING

STREET LIGHTING STANDARD

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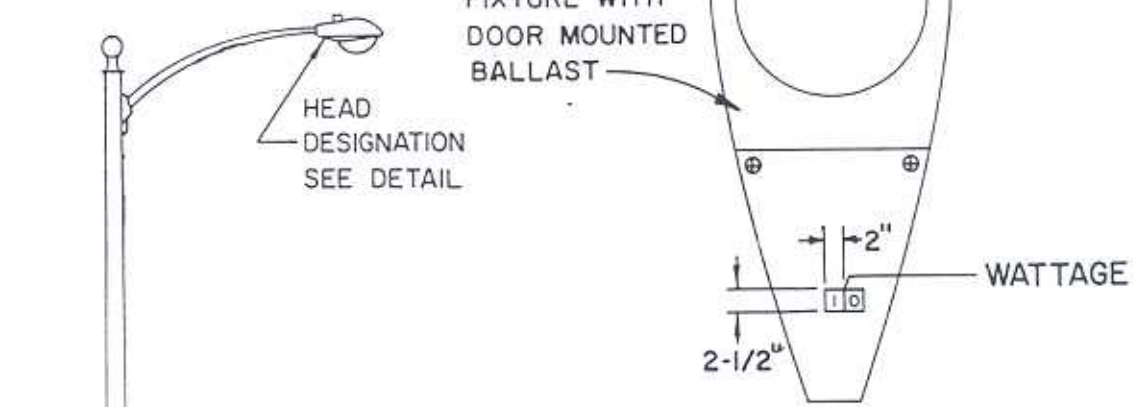
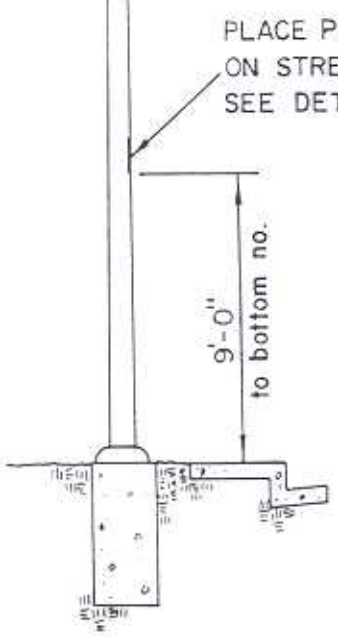
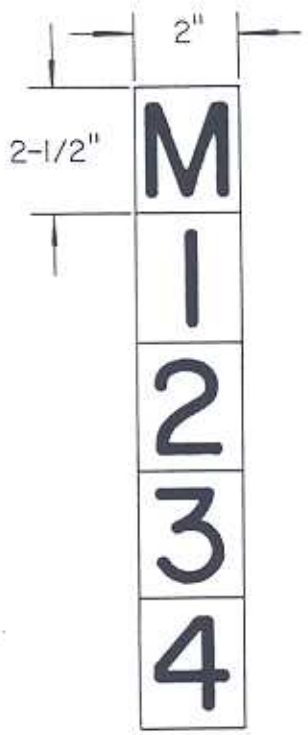
C#
DATE
SHEET 3 OF 4



TYPICAL HEAD DESIGNATION





TYPICAL
POLE NO.

NOTES:

1. Materials - 3M "skotchlite" No. 5290 white with HighTack Adhesive and No. 705 black characters or approved equal.
2. Characters - Bold block style.
3. Pole No. to be determined by the City.
4. Wattage-Abbreviation of Wattage rating "7" = 70W, "10" = 100W, etc.

REV	DATE	APPROVED	DESIGN
			DRAWN
			CHECKED
			APPROVED BY CITY ENGINEER
			DATE 10/6/81

CITY OF MILPITAS

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
STANDARD DRAWING

STREET LIGHTING STANDARD

NO. 442

ADOPTED
DATE 11-4-80
C # 3483
SHEET 4 OF 4